

METHOD OF AUTHENTICATING TAGGED POLYMERS

ABSTRACT OF DISCLOSURE

[0137] Disclosed is a method of authenticating that a test polymer is a tagged polymer comprising a substrate polymer, a compound comprising a forensic authentication marker, and a dynamic response authentication marker, said forensic authentication marker being present in the tagged polymer in an amount sufficient to be detected by a forensic analytical technique and said dynamic response authentication marker being present in the tagged polymer in an amount sufficient to be detected by a dynamic response analytical technique, said method of authenticating comprising testing the test polymer for the forensic authentication marker using a forensic analytical technique, testing the test polymer for the dynamic response authentication marker using a dynamic response analytical technique, and authenticating that a test polymer is a tagged polymer if the forensic authentication marker and dynamic authentication marker are detected.